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HISTORIC AMERICAN ENGINEERING RECORD INDEX TO PHOTOGRAPHS

Carquinez Bridge
Interstate 80 Spanning Carquinez Strait
Vallejo
Solano County
California

HAER No. CA-297

William Hall, Photographer for contemporary photographs. (2000)

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CA-297-5

CA-297-1 Long view west, with bridge in foreground, showing portion of Mare Island (middle right of image), and Carquinez Strait opening into San Pablo Bay.

CA-297-2 Long view east, with bridge in foreground, showing length of Carquinez Strait with Benecia Martinez Bridge in background.

CA-297-3 View east of bridge across Carquinez Strait with Crockett and the C&H sugar factory on the right (south) side.

CA-297-4 Overhead view showing the 1927 bridge (narrow bridge-left side) and 1959 bridge (right side) across Carquinez Strait. Town of Crockett is on south bank (bottom of image). C&H sugar factory is along the strait to the east (right) side of the 1959 bridge. The toll plaza is at the top of the image on the 1959 bridge side.

View south showing both bridges (1959 on left, 1927 on right). Toll plaza is visible at bottom of image. Crockett interchange and C&H sugar factory are on the south side of the strait.

CA-297-6 View noth showing both bridges (1959 on right, 1927 on left). The Crockett interchange is prominent in the bottom half of the image.

CONTEXTUAL VIEWS FROM CROCKETT

CA-297-7 View of bridges looking northeast from Crockett. The 1927 bridge is in front of the 1959 bridge.

CA-297-8 View of bridges looking northeast from Crockett. The 1927 bridge is to the left. Entrance and exit ramps for west-bound I-80 traffic over the 1927 bridge are visible in the center-right of the image.

CARQUINEZ BRIDGE HAER No. CA-297 INDEX TO PHOTOGRAPHS (page 2)

CA-297-9	View of the Crockett interchange. The 1927 bridge is to the left. Entrance and exit ramps for west-bound I-80 traffic over the 1927 bridge are visible in the center of the image.
CA-297-10	View of bridges looking northeast from Crockett. The 1927 bridge is in front of the 1959 bridge.
ROADWAY V	IEWS
CA-297-11	View of 1927 bridge looking north from Crockett off-ramp. (see detail image of railing in this set).
CA-297-12	Roadway view of 1927 bridge (left) from Crockett off-ramp of west-bound I-80.
CA-297-13	Roadway view on 1927 bridge looking north from Crockett at on-coming I-80 west-bound traffic. Photo taken from Pier 5.
CA-297-14	Toll Plaza and approach signage on I-80 looking north (East I-80). Photo taken from 250 feet north of 1959 bridge (east-bound I-80).
CA-297-15	Roadway view on 1927 bridge looking south from north abutment at west-bound I-80 traffic.
CA-297-16	Underside of roadway from center pier.
SUPERSTRUC	TURE
CA-297-17	View north from between the 1927 bridge on the left and the 1959 bridge on the right. View is from pier 5 on the 1927 bridge
CA-297-18	View of central piers of both bridges over the Carquinez strait. The 1959 bridge is in front of the 1927 bridge.
CA-297-19	View of central piers of both bridges over the Carquinez strait. The 1927 bridge is in front of the 1959 bridge.
CA-297-20	Superstructure of pier 4 as viewed from pier 5. The 1959 bridge is visible to the right.
CA-297-21	The ten of micr. A service when empressing from the court
	The top of pier 4 as viewed when approaching from the south.
CA-297-22	View from the top of pier 4 looking north, toward the central pier.
	View from the top of pier 4 looking north, toward the central pier.
SUPERSTRUC	View from the top of pier 4 looking north, toward the central pier. TURE DETAILS

	INDEX TO PHOTOGRAPHS (page 3)
CA-297-26	Bottom chord of truss on cantilever arm.
CA-297-27	Top chord of truss at the end of the cantilever arm.
CA-297-28	Top and bottom chords of truss at the cantilever arm.
CA-297-29	Top chord of truss where suspended span meets cantilever arm.
CA-297-30	Top chord of truss at top of Pier 2.
CA-297-31	Top chord of truss at main diagonal from Pier 2 or Pier 4.
CA-297-32	Bottom chord of truss at Pier 3.
CA-297-33	Bottom chord of truss at the end of the cantilever arm. H
CA-297-34	Truss where suspended span meets cantilever arm.
CA-297-35	Top chord of truss where suspended span meets cantilever arm.
CA-297-36	Bottom chord of truss where suspended span meets cantilever arm.
CA-297-37	Bottom chord of truss at Pier 2.
CA-297-38	Bottom chord of truss at Pier 5.
NORTH ABUT	MENT
CA-297-39	View of north end of bridge looking east. The north abutment, Pier 1, is to the left, and Pier 2 is to the right.
CA-297-40	View between the bridges looking north to Solano County. The 1927 bridge is to the left.
CA-297-41	Abutment detail.
PIER 3	
CA-297-42	View near base of Pier 3 looking west.
CA-297-43	Base of Pier 3 looking north, 1927 bridge is on upper left.
CA-297-44	Base of Pier 3 looking north.
CA-297-45	View of base of Pier 3.
CA-297-46	North-east corner of the base of the central pier.

Detail of a corner of Pier 3 at its base.

CA-297-47

PIER 4	(Fig.)
CA-297-48	Pier 4 looking east with C&H Sugar factory visible in the bottom center of the image.
CA-297-49	Pier 4 of the 1927 bridge is visible in the upper left of the image. The corresponding pier of the 1959 bridge is visible in the center top of the image.
CA-297-50	Base of Pier 4 looking east.
CA-297-51	North-west leg of Pier 4.
CA-297-52	South-west leg of Pier 4.
CA-297-53	Detail of the north-west leg of Pier 4.
CA-297-54	Detail of the north-west leg of Pier 4.
CA-297-55	Inside of the fender system of Pier 4, looking east.
PIER 5	
CA-297-56	Raillines beneath southern appraoch viaduct. Pier 5 is to the left, Tower 6 is to the right. To the extreme left under construction is a pier for the suspension bridge.
CA-297-57	Pier 4 (foreground) and Pier 5 from between the two bridges. The southern approach viaducts are visible in the background.
CA-297-58	View of Pier 5 looking north-east.
CA-297-59	Catwalk under the road deck near Pier 5, looking south under the southern approach viaduct.
CA-297-60	View of Pier 5 from the catwalk under the road deck. View is to the south.
TOWER 6	
CA-297-61	Tower 6 looking north-east.
CA-297-62	View straight-up from the base of Tower 6 showing the original Crockett approach on the left, and the 1959 approach addition to the right.
CA-297-63	View straight-up from the base of Tower 6. The original Crockett approach is on the right of the image.
CA-297-64	Juncture of the original Crockett approach (left) and the 1959 addition (right) near Tower 6.

CA-257-05	Crockett approach and the 1959 addition. View is near Tower 6.
TOWER 7	
CA-297-66	View to the north-east of Tower 7 of the original Crockett approach.
CA-297-67	North-west leg of Tower 7 of the original Crockett approach.
TOWER 8	
CA-297-68	View looking north-east of Tower 8 of the Crockett approach viaduct.
CA-297-69	View looking north of Tower 8 of the Crockett approach viaduct.
CA-297-70	View looking west of the Crockett approach viaduct between support towers.
TOWER 10	
CA-297-71	View looking north of Tower 10 of the Crockett approach viaduct.
CA-297-72	View looking west of Tower 10 of the Crockett approach viaduct.
CA-297-73	Detail of the north-east leg of Tower 10 of the Crockett approach viaduct.
CONSTRUCTION	ON VIEWS (2000)
CA-297-74	View of construction equipment for the Carquinez suspension bridge under the Crockett approach viaduct. The original 1927 Crockett apporach is prominent at the top of the image.
CA-297-75	Crockett approach abutment.
CA-297-76	View of construction work for the Carquinez suspension bridge. The 1959 (1957?) ramp has been removed.
CA-297-77	View of construction work for the Carquinez suspension bridge. The original 1927 Crockett appraoch, with original railing, is the fore-structure in the image.
CA-297-78	View east of the west side of the original Crockett approach and approachabutment.
CA-297-79	View of construction equipment for the Carquinez suspension bridge under the Crockett approach viaduct. The 1927 approach is the fore-structure in the image.

View from catwalk under bridge deck of the juncture of the original

CA-297-65

APPROACH VIADUCT

CA-297-80	View of the original Crockett approach viaduct looking east.
CA-297-81	Oblique aerial view of the original Crockett approach viaduct (lower right) and later additions and modifications.
CA-297-82	Oblique aerial view of the juncture of the modified Crockett approach viaduct. The original approach viaduct is in the extreme top center.
CA-297-83	View of the original Crockett approach viaduct looking south from the bridge.
CA-297-84	View looking east of the center section of the original Crockett approach viaduct.
CA-297-85	View to north-east of the underside of the road deck of the original Crockett approach viaduct. The branching structure to the center-right is a later addition.
CA-297-86	View of the connection point of the original Crockett approach viaduct (left) and the later branching structure (right) with its concrete supports.
CA-297-87	View from the north-east corner of Tower 6 looking south-west along the original Crockett approach viaduct.

ADDITIONAL VIEWS

CA-297-88	Navigation aid bell, central pier.
CA-297-89	Detail of navigation aid bell, central pier looking to north abutment.
CA-297-90	Detail of original railing along roadway.

HISTORICAL PHOTOGRAPHS (1923-1927) dates given where available	
CA-297-91	View looking north showing clam shell excavating one of the wells of the crib at Pier 3.
CA-297-92	View looking north showing concreting plant working on Pier 3.
CA-297-93	View showing erection traveler erecting 190 foot span over Southern Pacific Company's main line track. This is the last span of the steel approach to the main bridge spans.
CA-297-94	View looking south showing foundation equipment at work on two of the piers. The view also shows the two completed cylinders in the midstream cluster of four.

	INDEX TO PHOTOGRAPHS (page 7)
CA-297-95	View of foundation plant looking east showing one of the four cylinders completed in the midstream tower known as Pier 3.
CA-297-96	Lowering cofferdam Pier 4. 2/24/1924.
CA-297-97	Various bridge dignitariesnames are labeled on the photograph.
CA-297-98	Office building under construction. 12/3/1923.
CA-297-99	View showing finished bridge piers known as Pier 2 ready for the superstructure. Each cylinder is 40 feet in diameter and extends about 135 feet below the water.
CA-297-100	Left to right: Messrs. Duncanson, Everham, upson, Derleth, Dent, Shurtleff, and Hanford. 1/6/1925.
CA-297-101	Towing caisson 1 to Pier 3BW. 12/18/1924.
CA-297-102	Pile driver at Pier 7BW. 3/3/1925.
CA-297-103	Caisson Pier 2. 9/10/1924.
CA-297-104	Driving guide column Pier 3BW. 12/23/1924.
CA-297-105	View showing work on north anchor arm. The traveler shown is erected on north abutment.
CA-297-106	Concrete forms at Pier 1. Anchor Day, 9/29/1923.
CA-297-107	View showing open caisson Pier 4 with anchor bolts placed ready for last pour of concrete. Also pile driver driving falsework piles for south anchor arm. Located at end of the old ferry landing slip at Crockett side of straits.
CA-297-108	View showing storage yard where material is received and sorted: also shows derrick framed to raise material from tracks and land on deck of approach. Material is then moved by narrow gage locomotive out to erection traveler.
CA-297-109	Caisson 1. 10/11/1924.
CA-297-110	Pier 3 temporary fender system, view towards the north. 8/30/27.
CA-297-111	Original toll plaza at the north end of the bridge.
CA-297-112	View looking north-east of the original Crockett approach viaduct. Note signage and toll-rates.

HISTORICAL PHOTOGRAPHS (1954-1958).

8.5 by 11 digital prints of photographs in process:

CA-297-113 Looking southwesterly across Carquinez Bridge. 6/22/1954.

CARQUINEZ BRIDGE HAER No. CA-297 INDEX TO PHOTOGRAPHS (page 8)

CA-297-114	Division of Highways drawings of proposed Carquinez bridge. 6/2/1955.
CA-297-115	Looking northeasterly from Carquinez bridge. 9/5/1956.
CA-297-116	Carquinez Bridge earthworks underway for the second span. 1/29/1957.
CA-297-117	Looking southwesterly across Carquinez Bridge.
CA-297-118	Crockett approach construction underway. 7/3/1958.

HISTORICAL DRAWINGS

CA-297-119	Toll Shelter plans. 3/15/1927. William Wurster, architect.
CA-297-120	Toll Shelter elevations and sections. 3/15/1927. William Wurster, architect.
CA-297-121	Plan and profile of proposed highway bridge across Carquinez Strait. 10/17/1923. The Rodeo-Vallejo Ferry Co., Aven Hanford, President.
CA-297-122	Plans for derrick barge for riprap placement, Pier 3 fender. 1/22/1929.
CA-297-123	Piers 2 and 3, timber caisson design. 6/14/1924. C. Derleth, Jr. Chief Engineer.
CA-297-124	Water jets for caissons of Piers 2 and 3. 6/16/1924.
CA-297-125	Timber caisson scheme for Piers 2 and 3. 2/22/1924.
CA-297-126	Plan for temporary protection for center piers. 5/17/1927. C. Derleth, Jr. Chief Engineer.